



## P1000-AB

### Vertical Axis Wind Turbine (VAWT)

Suitable for any Application; Urban to Rural, Residential to Commercial, Industrial to Institutional

#### Performance

Rated Power	1kW
Max Power	1.2kW
Rated Wind Speed	12m/s
Cut-In Speed	2.5m/s
Cut-Out Speed	25m/s
Survival Wind Speed	50m/s

#### Physical Parameters

Mill Diameter	1.8m
Mill Height	2m
Mill Weight	200kg
Tower Height & Weight	5.5m (235kg)

#### Generator Parameters

Type	PMG 3 Phase
Rated Voltage	AC 250V
Rated Current	AC 2.3A
Protection Level	IP54

#### Controller Output

Output Voltage(On-grid)	DC 60-375V
Output Voltage(Off-grid)	DC 24/48V

#### Over Speed Protection & Braking System

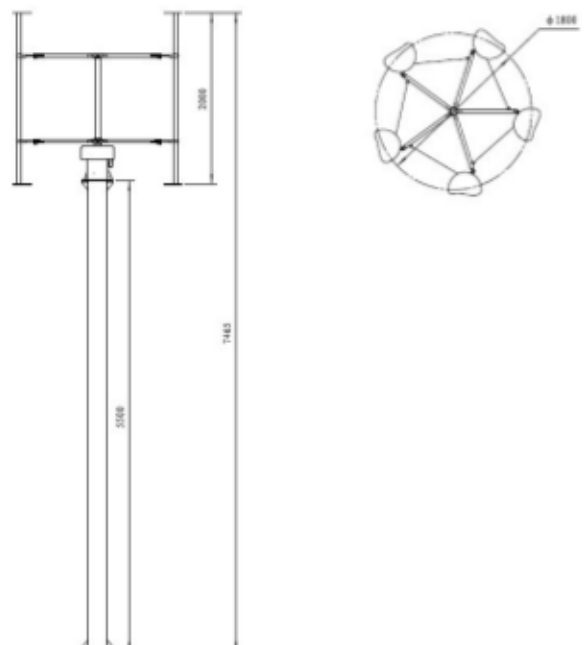
Speed Control Style	Pitch Control System
Brake Style	Automatic Magnet Brake

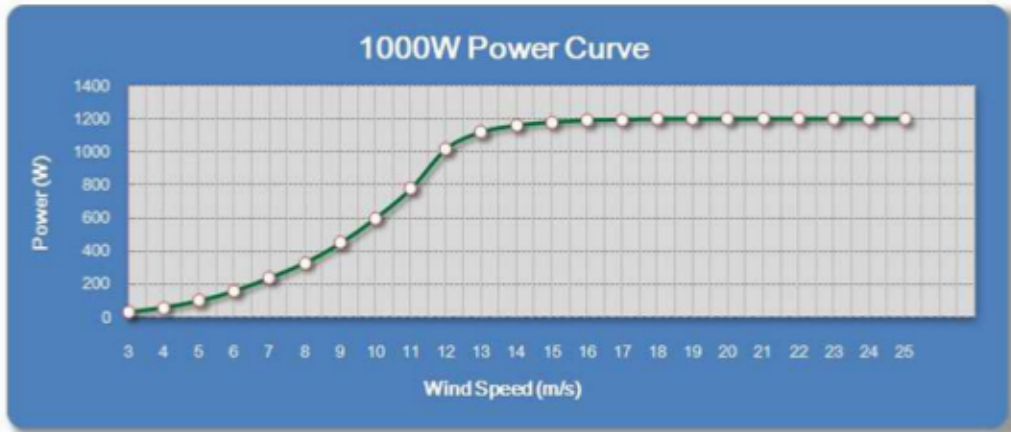
#### Advantages of VAWT

- Nearly Quiet
- Birds Friendly
- More Safety Features
- Wonderful Performance at Low Wind Speed
- Captures Wind from All Directions
- Longer Working Life
- Less Maintenance
- Less Requirements on Foundation
- Lower Supporting Tower

#### Advantages over Other VAWT

- High Efficiency
- Pitch Control to Govern Speed
- Automatic Magnet Brake





### Annual Energy Production

Average Wind Speed(m/s)	2	3	4	5	6	7	8	9	10	11	12
Production (kWh)	172	352	780	1403	2168	2983	3773	4485	5088	5561	5899

### Packing Size

Mark	Name	Volume	Gross(KG)	Net(KG)	Package
P1000-S	Arms	107cm*35cm*25cm	37	35	Paper Box
P1000-FRM	Generator Assembly	150cm*55cm*55cm	145	135	Steel Frame
P1000-B	Blades	208cm*40cm*36cm	35	30	Paper Box
P1000-C-G/I	On-grid controller	50cm*45cm*21cm	25	20	Plywood Box

1 Cubic meter, Gross weight 242Kgs, Net weight 220Kgs

A 20ft container can hold 24 units, a 40ft container can hold 50 units. (excluding the tower)



**P1000-FRM**

### Application

